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APPLICATION NO.	FILING DATE	· FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/696,959	10/30/2003	Craig C. Hodges	00020.08CON	8482
37485 7	7590 03/22/2004		EXAMINER	
ALEXZA MOLECULAR DELIVERY CORPORATION			HAGHIGHATIAN, MINA	
	1001 EAST MEADOW CIRCLE PALO ALTO, CA 94303		ART UNIT	PAPER NUMBER
			1616	
			DATE MAILED: 03/22/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/696,959	HODGES ET AL.				
Office Action Summary	Examiner	Art Unit				
	Mina Haghighatian	1616				
The MAILING DATE of this communic Period for Reply	cation appears on the cover sheet with	the correspondence address				
A SHORTENED STATUTORY PERIOD FO THE MAILING DATE OF THIS COMMUNION. - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) - If NO period for reply is specified above, the maximum stated that the second period for reply within the set or extended period for reply within the	CATION. of 37 CFR 1.136(a). In no event, however, may a repunication. of days, a reply within the statutory minimum of thirty (utory period will apply and will expire SIX (6) MONTH will, by statute, cause the application to become ABA	ly be timely filed 30) days will be considered timely. IS from the mailing date of this communication. NDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed	Responsive to communication(s) filed on					
2a) This action is FINAL .	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition f	☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practic	e under <i>Ex parte Quayle</i> , 1935 C.D.	11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-17 is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5,8-10,15 and 16</u> is/are re	jected.					
7)⊠ Claim(s) <u>6,7,11-14 and 17</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers	·					
9) The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>30 October 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to	by the Examiner. Note the attached (Office Action or form PTO-152.				
Priority under 35 U.S.C. § 119	•					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) All b) Some * c) None of:						
 Certified copies of the priority of 	documents have been received.					
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the Internation	nal Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date						
2) Notice of Draftsperson's Patent Drawing Review (P)		Mail Date promat Patent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 6) Other:						

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-5, 8-10 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ingebrethsen (5,388,574).

Ingebrethsen teaches an aerosol delivery article which provides delivery of aerosol particles of relatively small size without the necessity of exposing the aerosolized material to a significant degree of heat or high temperatures. An aerosol forming material is a multi-component material comprising an active ingredient and another ingredient having a relatively low vaporization temperature. The first stage aerosol particles of fairly large size. The first stage aerosol particles then are subjected to heat so as to vaporize the other ingredient of that aerosol and cause further dispersion of that first stage aerosol. As such, a second stage aerosol composed of fine particles of active ingredient is provided. The heat used to cause the further dispersion of the first stage aerosol is less than that sufficient to cause vaporization, thermal decomposition or undesirable chemical alteration of the active ingredient. Much of the aerosol of the second stage dispersion can include vapors, gases and the like. The aerosol is allowed to pass through a passageway so as to be delivered to the user (to the respiratory system) (see col. 2).

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Ingebrethsen discloses that the device contains a Nichrome film or wire, metal screens, metal or ceramic resistance heating materials, or the like (col. 4, lines 30-34). The average size of the individual second stage aerosol particles is less than about 5 ym and often less than about 1 ym (col. 11, lines 29-36).

Although Ingebrethsen does not exemplify a method of preparing an aerosol of particles comprising the specific steps recited in claim 1, it does disclose all the elements and a general teaching of the method. Therefore, a person of ordinary skill in the art would have been motivated to modify the aerosol device article of Ingebrethsen for delivering the aerosolized compositions to a subject's respiratory tract by combining first stage and second stage particles to shorten the preparation and delivery time and because it would be desirable to provide an aerosol delivery article which is capable of producing aerosol particle of relatively small size without the necessity of subjecting the material to be aerosolized to exposure to a significant degree of heat or high temperatures.

Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Faithfull (6,041,777).

Faithfull teaches methods and apparatus for closed-circuit ventilation therapy. In procedures involving liquid ventilation, this treatment and recirculation of the exhaled gases, vapors or liquids substantially reduces the amount of respiratory promoter needed to provide effective ventilation (col. 10, lines 13-26). Faithfull discloses that the

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nebulizer is used to provide fluorochemicals, heated above body temperature, to the ventilating gas in the form of a vapor. This may be accomplished by spraying or contacting a wetted surface or wick with the gas to form droplets. The fluorochemical liquid medium is particularly well dispersed in the lungs. As the fluorochemical vapor cools in the body it is deposited on the pulmonary surfaces (col. 16, lines 44-67).

Faithfull also discloses that the said method provides for the independent delivery of pharmaceutical agents or their use in conjunction with other vapors (col. 25, lines 15-30).

Although Faithfull does not exemplify a method of preparing an aerosol of particles comprising the specific steps recited in claim 1, it does disclose all the elements and a general teaching of the method. Therefore, modification of the method steps would be a logical extension of the teachings of Faithfull because it would be desirable to provide an aerosol delivery article which is capable of producing aerosol particle of relatively small size without the necessity of subjecting the material to be aerosolized to exposure to a significant degree of heat or high temperatures.

Allowable Subject Matter

Claims 6-7, 11-14 and 17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mina Haghighatian whose telephone number is 571-272-0615. The examiner can normally be reached on core office hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mina Haghighatian Patent Examiner Art Unit 1616